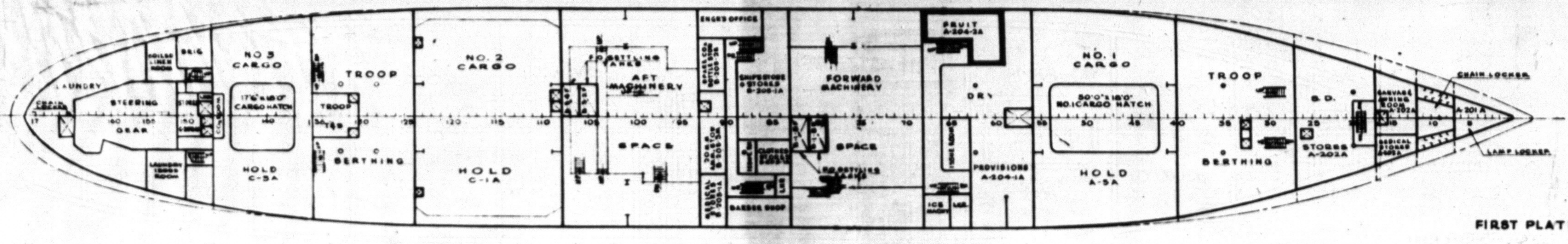
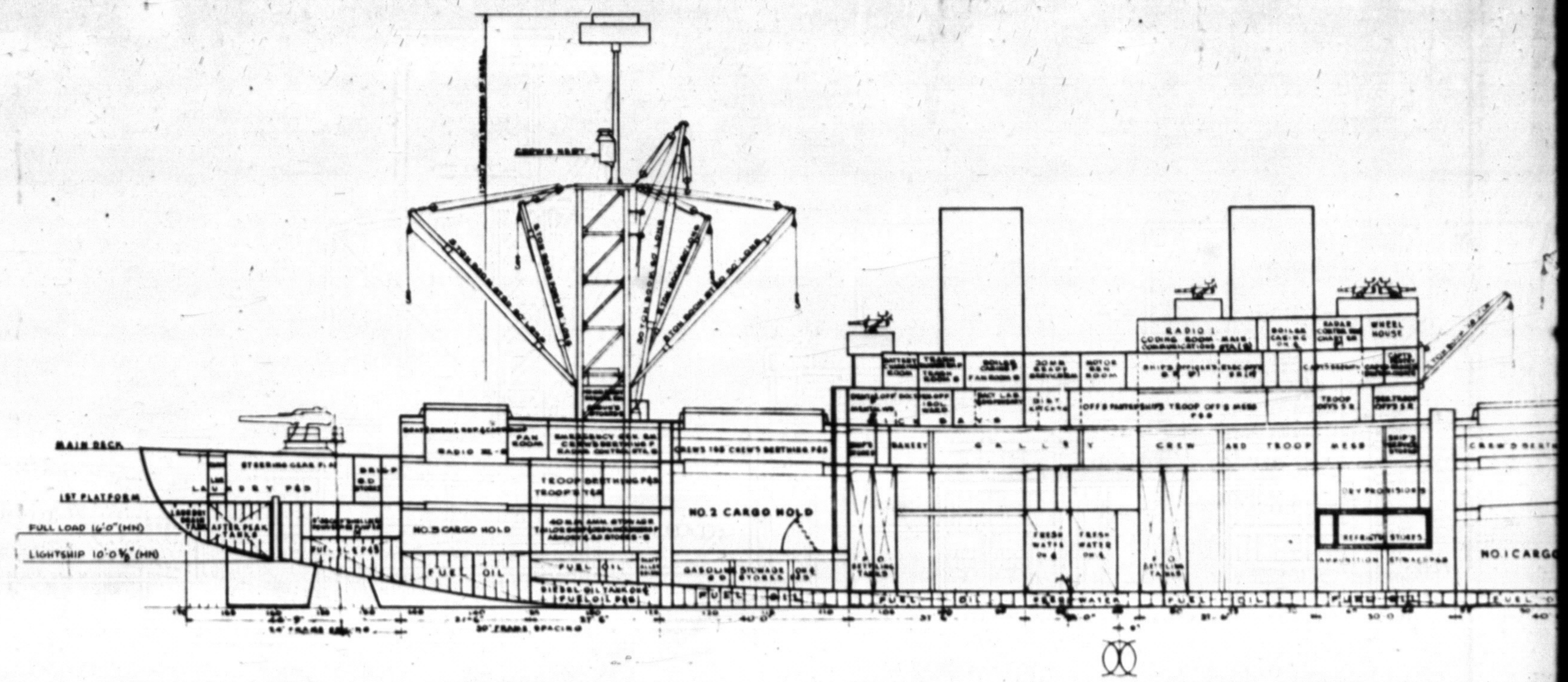
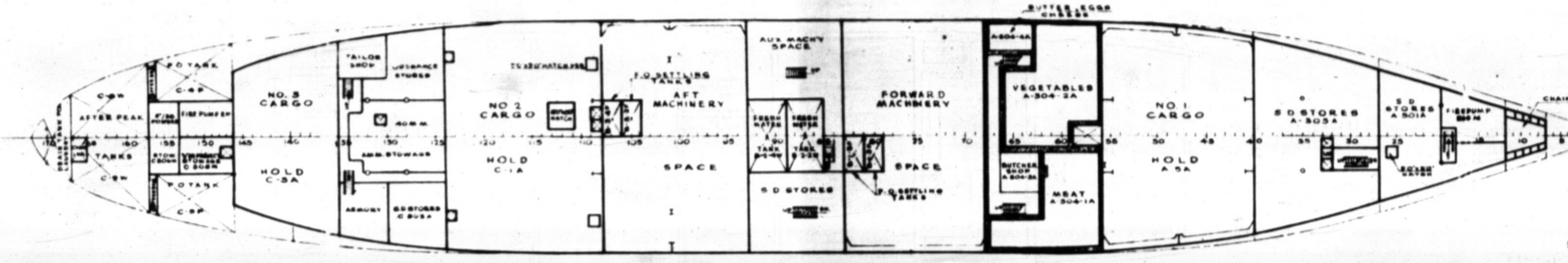
KA 36
RENATE



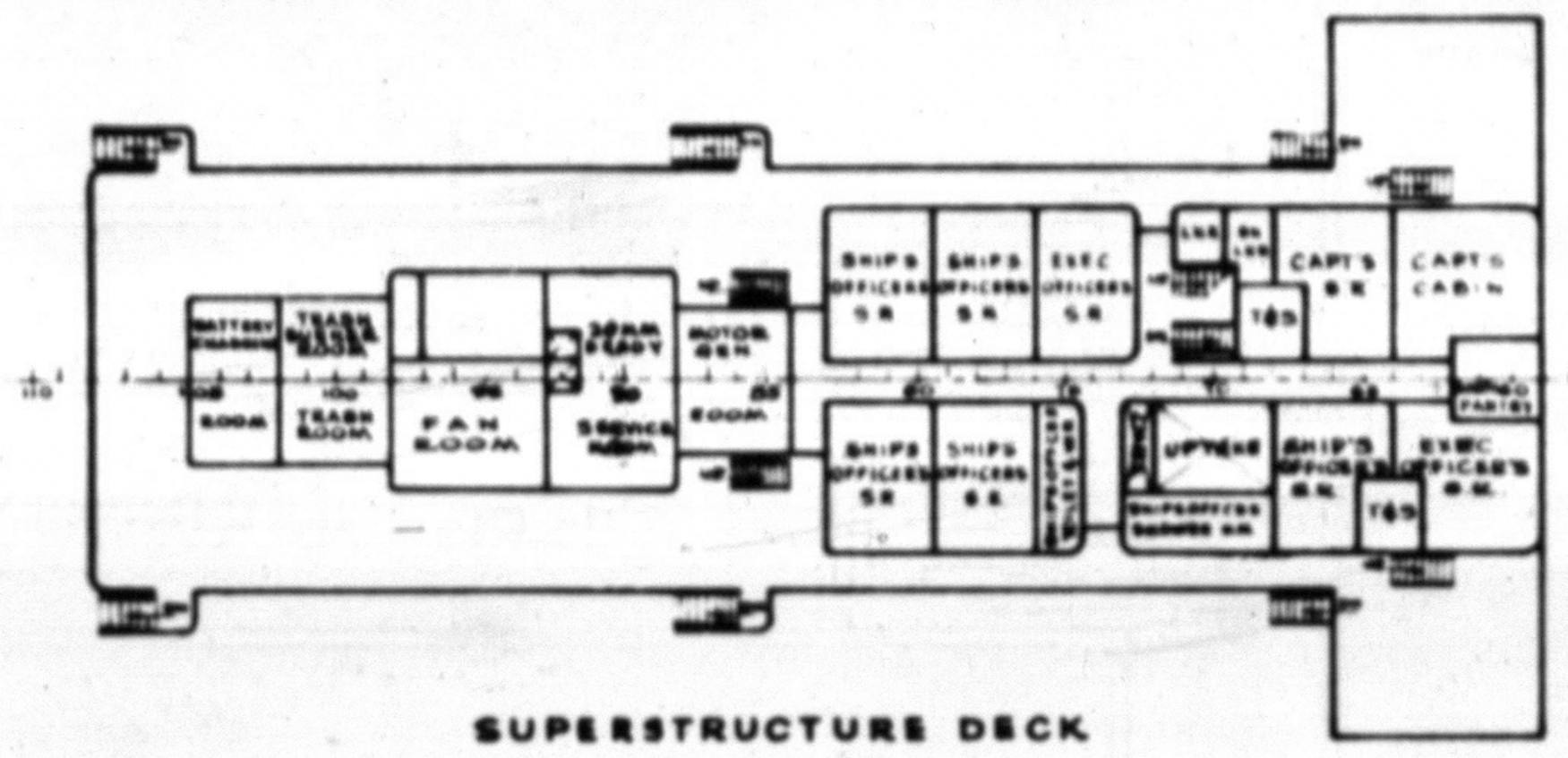
FIRST PLATFORM



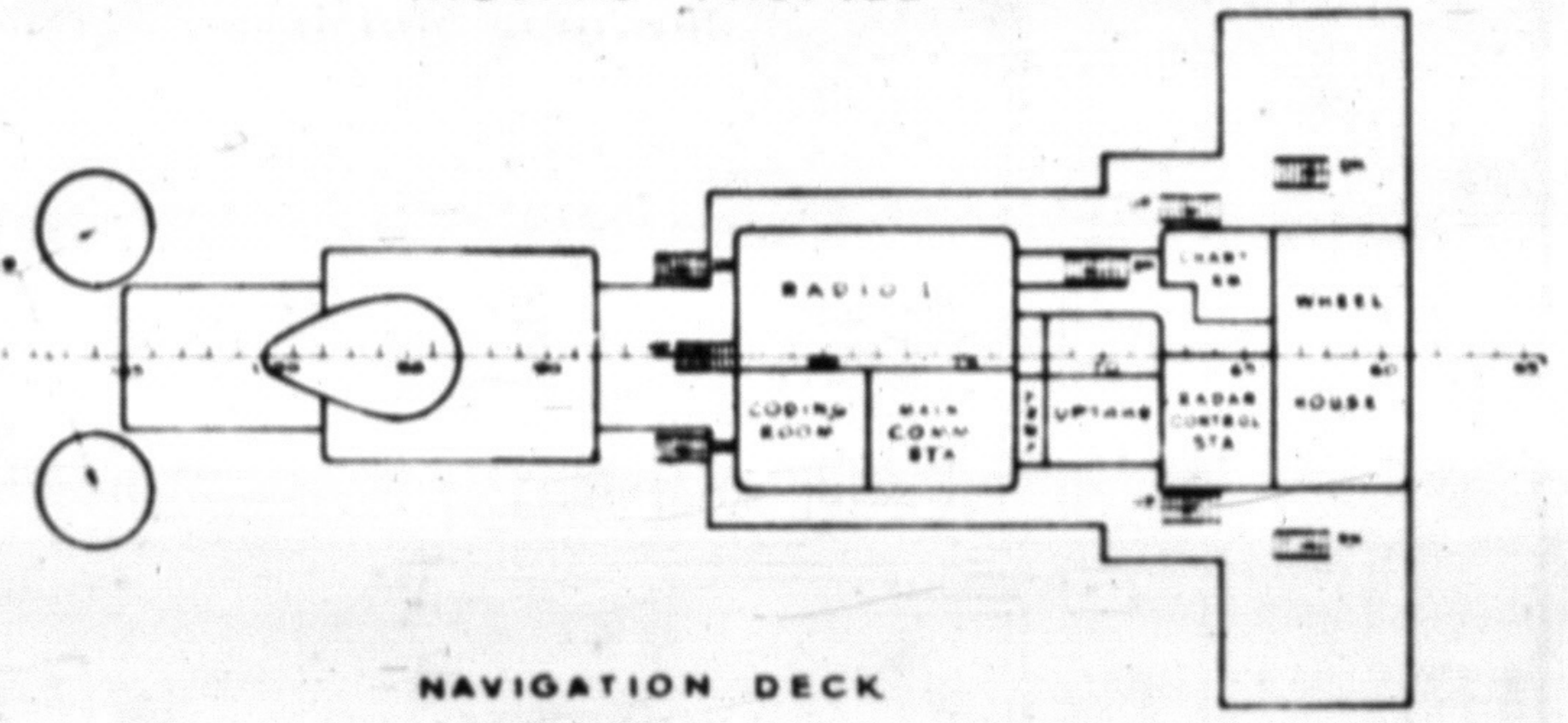
INBOARD PROFILE



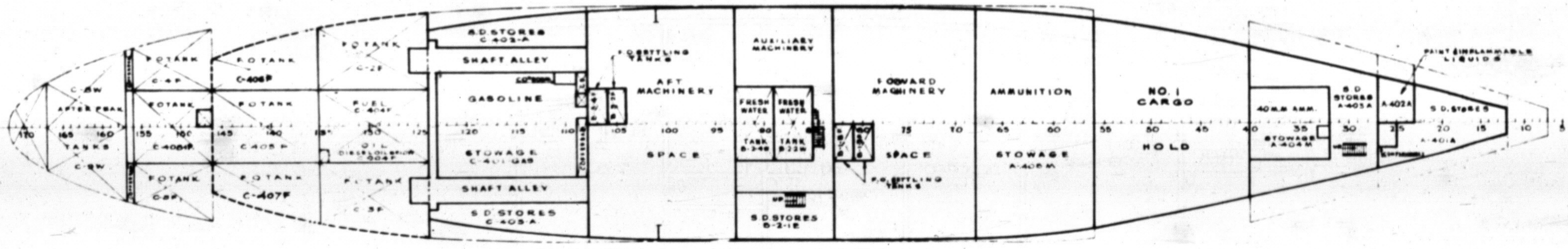
SECOND PLATFORM



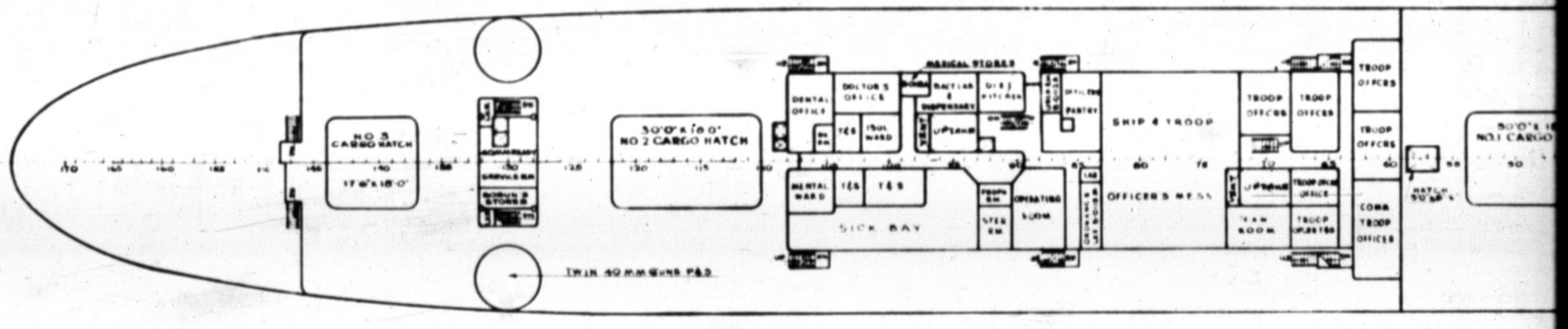
SUPERSTRUCTURE DECK

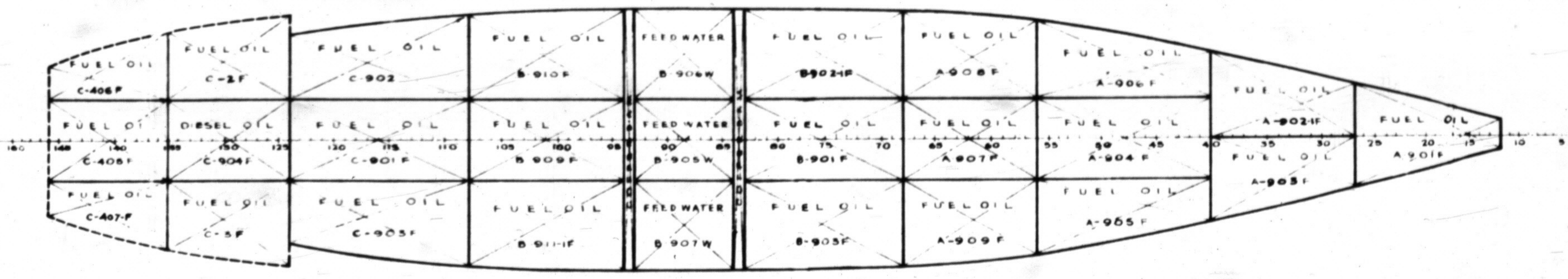


NAVIGATION DECK

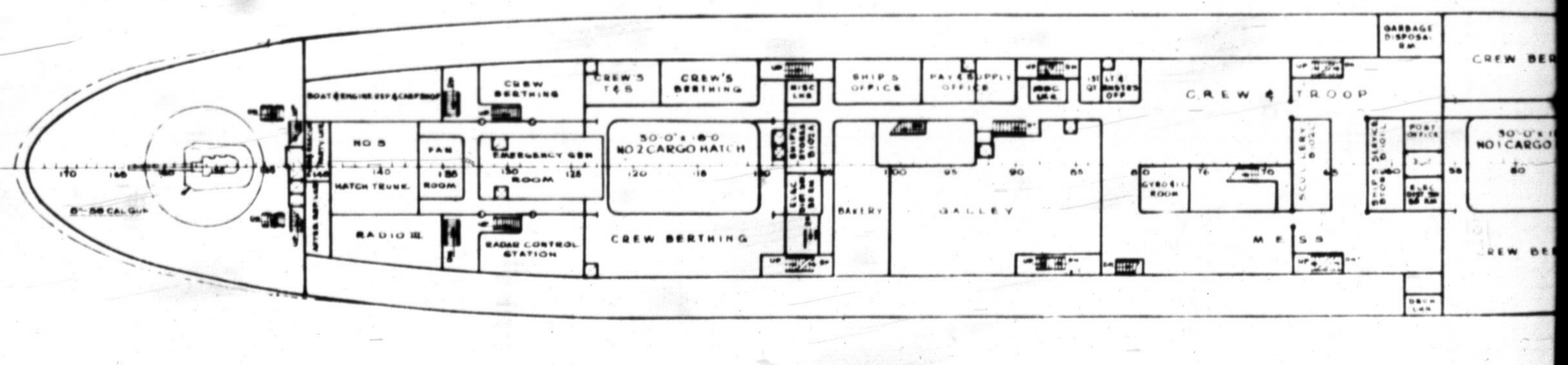


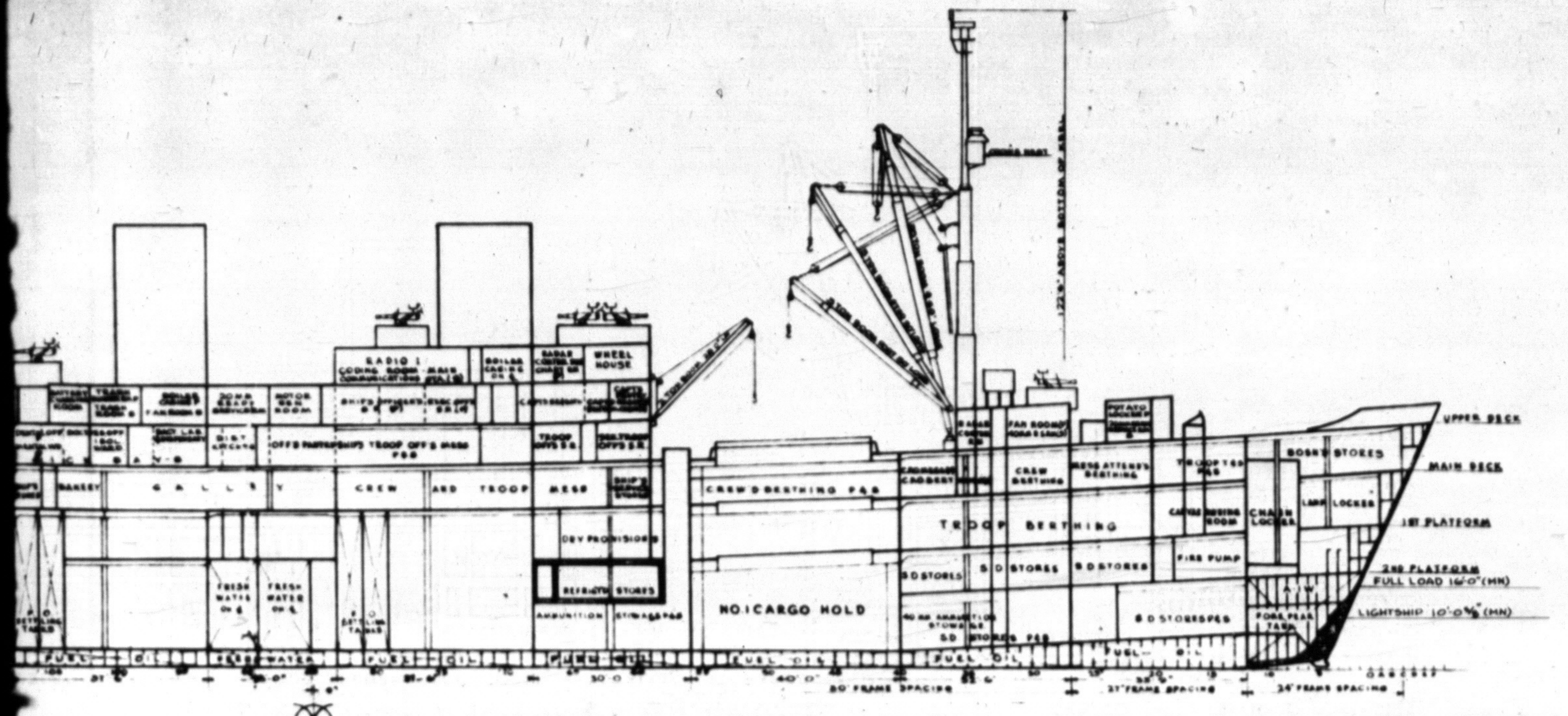
TANK TOP



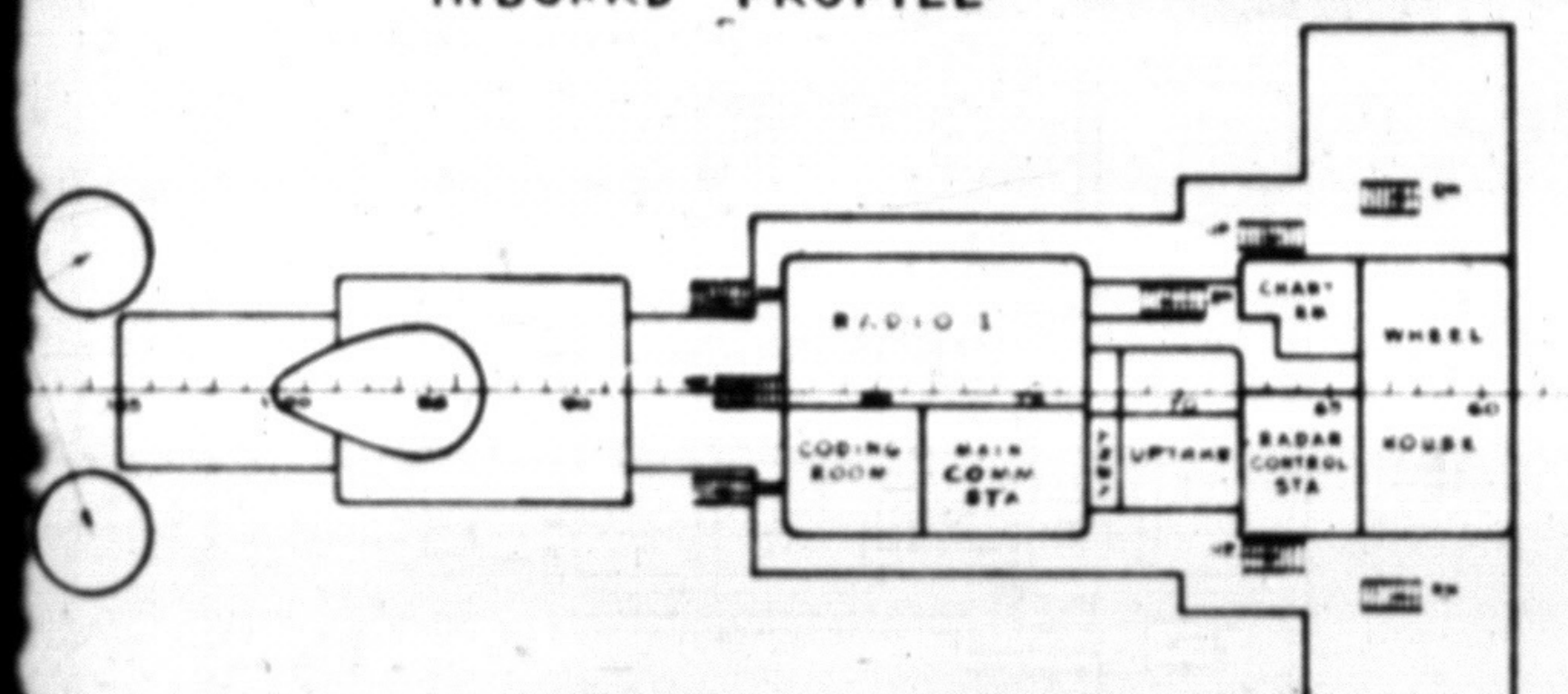


TANK ARRANGEMENT

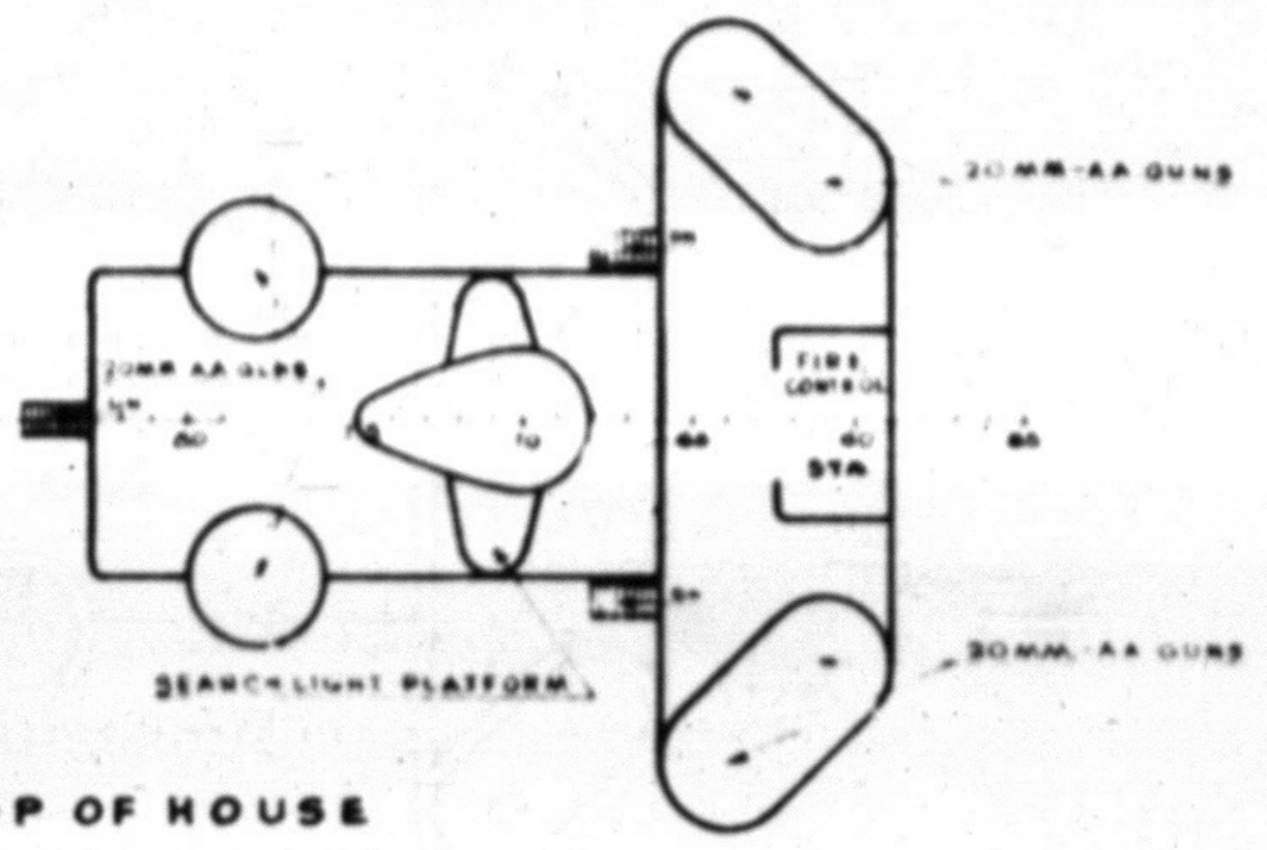




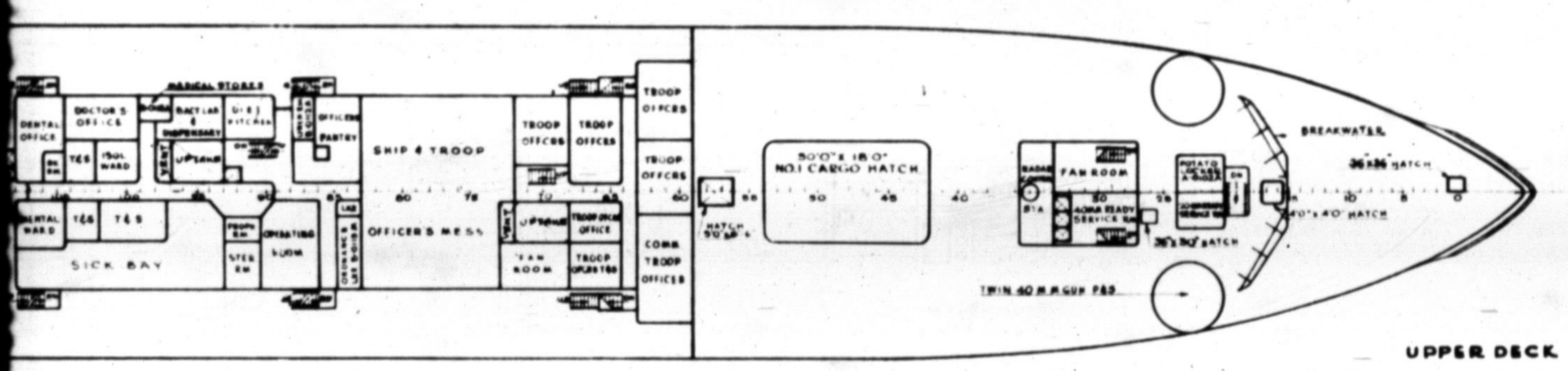
INBOARD PROFILE



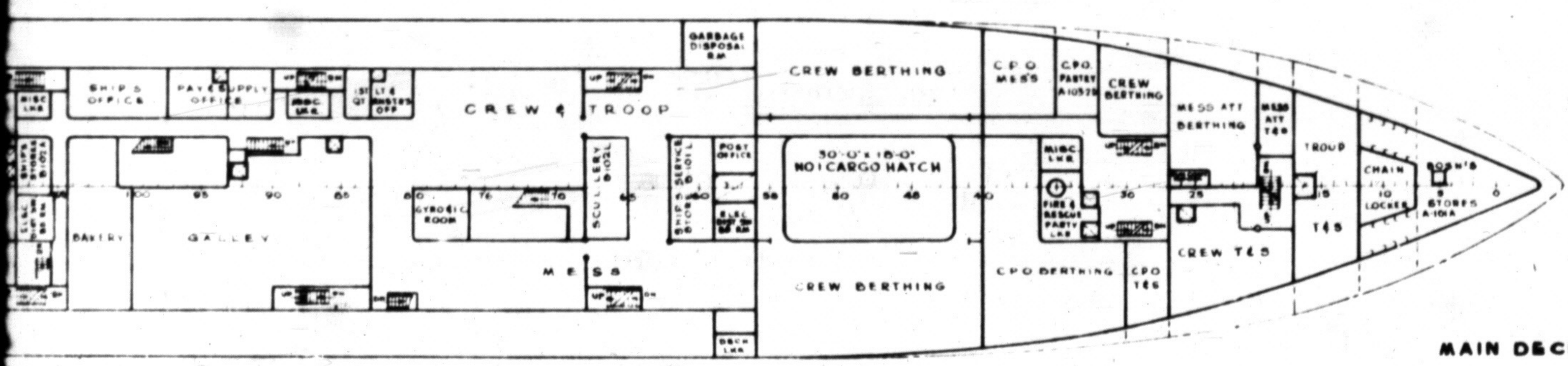
NAVIGATION DECK



TOP OF HOUSE



UPPER DECK



MAIN DECK

FUEL OIL TANKS & FUEL OIL SETTLING TANKS

TANK NO.	LOCATION (FRAMES)	95% CAPACITY GALLONS	95% CAPACITY TONS F.O. 277 G/T 37 CF/T	FULL CAPACITY GALLONS	FULL CAPACITY TONS F.O. 277 G/T 37 CF/T	VERT C.V. ABOVE BOT OF KEEL	LONG'L C.V. FWD	LONG'L C.V. AFT
FUEL OIL TANKS								
A-901F	12-27(℄)	12460	45.0	13120	47.4	3.15	150.67	
A-902-1F	27-40(P)	9390	33.9	9880	35.7	2.17	127.50	
A-903F	27-40(S)	9880	35.7	10400	37.5	2.17	127.65	
A-904F	40-56(℄)	15050	54.3	15820	57.1	1.56	91.77	
A-905F	40-56(S)	9040	32.6	9520	34.4	1.70	89.27	
A-906F	40-56(P)	9040	32.6	9520	34.4	1.70	89.27	
A-907F	56-68(℄)	11240	40.6	11830	42.7	1.56	56.77	
A-908F	56-68(P)	10160	36.7	10700	38.6	1.59	56.49	
A-909F	56-68(S)	10160	36.7	10700	38.6	1.59	56.49	
B-901F	68-83(℄)	13940	50.3	14670	53.0	1.56	25.10	
B-902-1F	68-83(P)	14200	51.3	14980	54.0	1.59	22.92	
B-903F	68-83(S)	14270	51.5	15020	54.2	1.59	23.06	
B-909F	94-108(℄)	13040	47.1	13730	49.6	1.56		40.64
B-910F	94-108(P)	12750	46.0	13420	48.4	1.62		40.16
B-911-1F	94-108(S)	12740	46.0	13410	48.4	1.62		40.20
C-901F	108-124(℄)	18950	68.4	19950	72.0	2.04		78.08
C-902F	108-124(P)	12120	43.8	12760	46.1	2.27		77.20
C-903F	108-124(S)	12100	43.7	12740	46.0	2.27		77.20
C-404F	124-135(℄)	21410	77.3	22540	81.4	8.45		111.40
C- 2F	124-135(P)	20900	75.5	22000	79.4	7.56		110.81
C- 3F	124-135(S)	20900	75.5	22000	79.4	7.56		110.81
C-405F	135-146(℄)	25960	93.7	27550	98.7	7.45		157.99
C-406F	135-146(P)	7330	26.5	7710	27.8	9.44		158.91
C-407F	135-146(S)	7330	26.5	7710	27.8	9.44		158.91
C-408-1F	146-156(℄)	15210	54.9	16210	58.5	11.41		162.35
C- 4F	146-156(P)	14360	51.8	15120	54.6	17.38		161.89
C- 5F	146-156(S)	14360	51.8	15120	54.6	17.38		161.89
	TOTAL	368,270	1329.7	387,880	1400.3			
FUEL OIL SETTLING TANKS								
B-1-3F	79-81(℄)	8050	29.1	8470	30.6	16.15	11.77	
B-1-5F	81-83(℄)	8210	29.6	8640	31.2	16.07	6.77	
B-3-2F	104-106(℄)	8060	29.1	8480	30.6	16.26		50.77
B-3-4F	106-108(℄)	8290	29.9	8730	31.5	16.23		55.77
	TOTAL	32610	117.7	34320	123.9			

DIESEL OIL TANK

TANK NO.	LOCATION (FRAMES)	95% CAPACITY GALLONS	95% CAPACITY TONS D.O. 314 G/T 41.98 CF/T	FULL CAPACITY GALLONS	FULL CAPACITY TONS D.O. 314 G/T 41.98 CF/T	VERT C.V. ABOVE BOT OF KEEL	LONG'L C.V. FWD	LONG'L C.V. AFT
C-904F	124-135(℄)	15340	46.9	16150	51.4	3.06		111.04

RESERVE FEED WATER, FRESH WATER & SALT WATER BALLAST TANKS

TANK NO.	LOCATION (FRAMES)	FULL CAPACITY GALLONS	FULL CAPACITY TONS F.W.	FULL CAPACITY TONS S.W.	VERT. C.V. ABOVE BOT. OF KEEL	LONG'L C.V. FWD	LONG'L C.V. AFT
RESERVE FEED WATER TANKS							
B-905W	84-93(℄)	8960	33.3	34.2	1.56		9.50
B-906W	84-93(P)	9150	34.0	34.9	1.58		9.38
B-907W	84-93(S)	9150	34.0	34.9	1.58		9.38
	TOTAL	27260	101.3	104.0			
FRESH WATER TANKS							
B-2-2W	85-89(℄)	22660	84.1	86.3	11.57		5.77
B-2-4W	89-93(℄)	22690	84.3	86.7	11.57		15.77
	TOTAL	45350	168.4	173.2			
SALT WATER BALLAST TANKS							
A- 1W	STEM-12℄	14210	52.8	54.3	15.26	187.55	
C- 8W	157-167(P)	15750	58.5	60.2	17.82		183.49
C- 9W	157-167(S)	15280	56.7	58.4	17.74		183.49
	TOTAL	45240	168.0	172.9			

GENERAL CARGO

COMPT NO.	SPACE	LOCATION (FRAMES)	DECK	BALE VOLUME CU. FT.	LONG'L C.V. FWD	LONG'L C.V. AFT	VERT C.V. ABOVE BOT OF KEEL
A- 3A	NO.1 CARGO HOLD	40-56 P&S	TANK TOP	30780	91.85		11.76
A- 5A	NO.1 CARGO HOLD	40-56 P&S	1ST PLAT.	18,380	91.56		25.78
C- 1A	NO.2 CARGO HOLD	108-124 P&S	2ND PLAT.	37,320		78.37	20.10
C-401GAS	GASOLINE STOWAGE	108-123 P&S	TANK TOP	8,840		77.59	7.34
C- 3A	NO.3 CARGO HOLD	135-146 P&S	2ND PLAT.	10,420		138.05	16.77
C- 5A	NO.3 CARGO HOLD	135-146 P&S	1ST PLAT.	10,670		138.84	26.18
			TOTAL	116,410			

S. D. STORES

COMPT NO.	SPACE	LOCATION (FRAMES)	DECK	BALE VOLUME CU. FT.	LONG'L C.V. FWD	LONG'L C.V. AFT	VERT C.V. ABOVE BOT OF KEEL
A-301A	S.D. STORES	12-27 P&S	2ND PLAT.	3630	156.46		19.41
A-303A	S.D. STORES	27-40 P&S	2ND PLAT.	10050	128.76		18.36
A-401A	S.D. STORES	12-27 P&S	TANK TOP	3920	162.34		11.13
A-403A	S.D. STORES	27-40 P&S	TANK TOP	7470	129.09		9.28
B-302-1A	S.D. STORES	83-93 S	2ND PLAT.	3590		8.38	15.67
C-203-1A	S.D. STORES	147-151 S	1ST PLAT.	730		159.53	26.86
C-303A	S.D. STORES	124-130 S	2ND PLAT.	2620		108.15	16.04
A-202A	S.D. STORES	17-27 P&S	1ST PLAT.	5800	152.83		28.34
C-402A	S.D. STORES	108-124 P	TANK TOP	3580			7.56
C-403A	S.D. STORES	108-124 S	TANK TOP	3580		76.85	7.56
			TOTAL	44,970			

DRY PROVISIONS

COMPT NO.	SPACE	LOCATION (FRAMES)	DECK	BALE VOLUME CU. FT.	LONG'L C.V. FWD	LONG'L C.V. AFT	VERT C.V. ABOVE BOT OF KEEL
A-204-1A	DRY PROVISIONS	56-68 P&S	1ST PLAT.	7340	60.89		24.51
A-0102A	POTATO LOCKER	20-24 P	UPPER DK.	400	155.5		46.73
			TOTAL	7740			

REFRIGERATED STORES

COMPT NO.	SPACE	LOCATION (FRAMES)	DECK	BALE VOLUME CU. FT.	LONG'L C.V. FWD	LONG'L C.V. AFT	VERT C.V. ABOVE BOT OF KEEL
A-204-2A	FRUIT	59-68 P	1ST PLAT.	1,900	55.46		24.16
A-304-1A	MEAT	56-68 S	2ND PLAT.	3,010	60.82		14.85
A-304-2A	VEGETABLES	56-67 P	2ND PLAT.	4,350	59.25		14.97
A-304-4A	BUTTER, CHEESE & EGGS	62-68 P	2ND PLAT.	610	55.75		14.97
			TOTAL	9870			

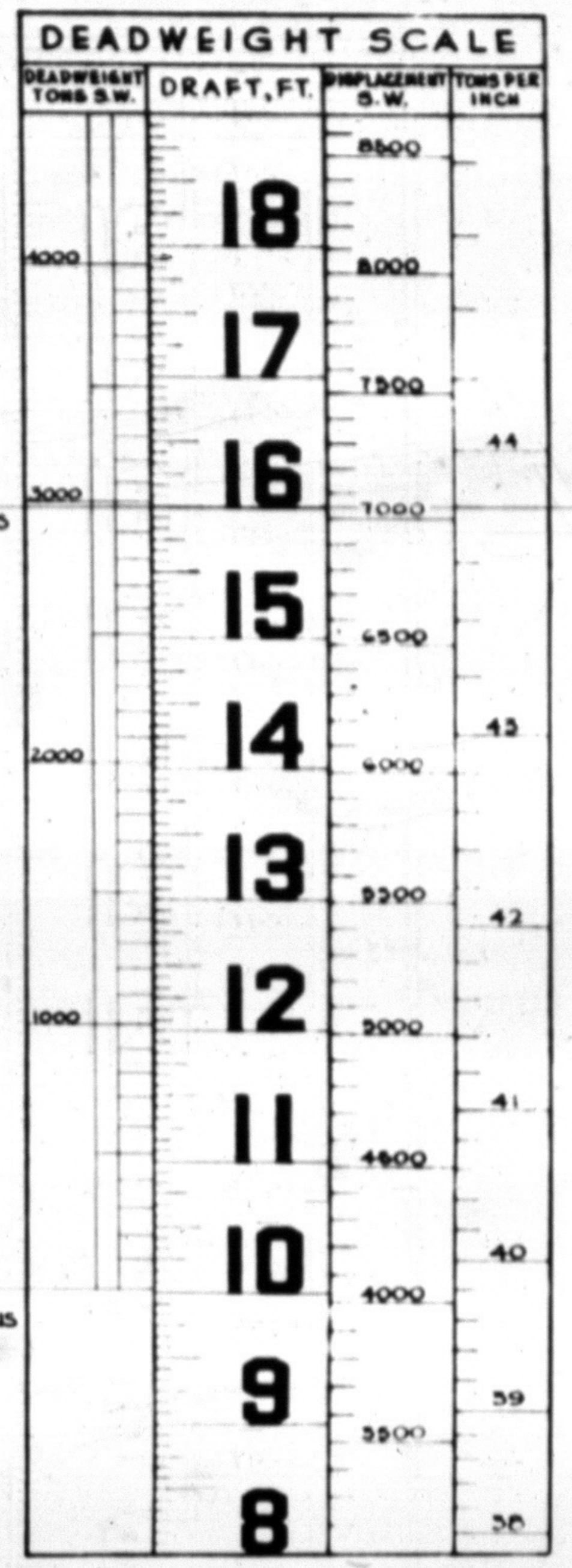
BOSUN'S STORES

COMPT NO.	SPACE	LOCATION (FRAMES)	DECK	BALE VOLUME CU. FT.	LONG'L C.V. FWD	LONG'L C.V. AFT	VERT C.V. ABOVE BOT OF KEEL
A-101A	BOSUN'S STORES	BOW-12 P&S	MAIN DK.	3800	190.52		45.28
A-201A	LAMP LOCKER	BOW-7 P&S	1ST PLAT.	1160	194.58		31.70
A-202A	CANVAS & AWNING ROOM	12-17 P&S	1ST PLAT.	1560	172.15		30.02
A-402A	PAINT & INFLAMMABLE LIQUIDS	23-27 P	TANK TOP	960	148.86		10.55
			TOTAL	7480			

STORES FOR PERSONNEL

COMPT NO.	SPACE	LOCATION (FRAMES)	DECK	BALE VOLUME CU. FT.	LONG'L C.V. FWD	LONG'L C.V. AFT	VERT C.V. ABOVE BOT OF KEEL
A-202A	MEDICAL STORES	12-17 S	1ST PLAT.	850	171.56		30.05
B-101-A	SHIP'S STORES	105-108 P	MAIN DK.	800		55.25	35.48
B-101-L	SHIP'S SERVICE STORE	59-62 P&S	MAIN DK.	1,070	60.50		35.84
B-205-1A	CLOTHES STORE	83-86 S	1ST PLAT.	640		0.38	24.32
B-205-1A	MEDICAL STORES	90-95 P	1ST PLAT.	880		17.00	24.22
B-205-1A	SHIP'S STORE STORES	83-89 P&S	1ST PLAT.	3,280		2.29	24.30
B-0105-A	MEDICAL STORES	97-99 P	UPPER DK.	190		33.50	41.08
			TOTAL	7390			

DEADWEIGHT SCALE



16'-0" DRAFT
D.W. 2982 TONS

△A △B △C
LIGHT DRAFT
10'-0 5/8"
DISPL. 4058 TONS

PRINCIPAL DIMENSIONS

LENGTH, OVERALL .... 426'-0"
LENGTH, B.P. .... 400'-0"
BEAM, MOLDED .... 58'-0"
DEPTH TO UPPER DK. AT SIDE ... 37'-0"
DEPTH TO MAIN DK. AT SIDE ... 28'-6

DRAFT LOADED 16'-0"
△A **PROPELLER** DIAM. 11'-6" PITCH (CONSTANT) 13'-0"
△C **CAPACITIES AND TYPE OF WINCHES:**
4-SINGLE DRUM DOUBLE SPEED 30 TON CAP., 4-DOUBLE DRUM SINGLE SPEED 30 TON CAP.
2-SINGLE DRUM SINGLE SPEED 2 TON CAP., 2-SINGLE DRUM SINGLE SPEED 5 TON CAP.

BOOMS:
2-2 TON BOOMS AT FR. 59
2-5 TON BOOMS AT FR. 34
4-5 TON BOOMS AT FRS 127-131
1-30 TON BOOM AT FR 34
1-30 TON BOOM AT FR 127

HEIGHTS OF MASTS:
MAINMAST 50'-8" TOP OF TOPMAST 80'-8"
FOREMAST 59'-0" TOP OF TOPMAST 87'-0"

ENGINES:
TWO TURBO ELECTRIC MAIN PROPULSION UNITS CONSISTING OF IMPULSE TURBINE ALTERNATING CURRENT GENERATOR AND SYNCHRONOUS INDUCTION TYPE MOTOR

BOILERS:
TWO BOILERS OF THE TWO DRUM BENT TUBE DOUBLE CASING WITH CONVECTION SUPERHEATERS AND FITTED WITH EXTENDED SURFACE ECONOMIZERS.

NOTE

LIGHT SHIP

THE LIGHT SHIP WEIGHT OF THE VESSE
DEADWEIGHT DETERMINATION MADE
THIS LIGHT SHIP WEIGHT IS THE
COMPLETE AND READY FOR SEA IN E
THE WEIGHT OF LIQUIDS IN MACHI
LINES, FUEL OIL, SYSTEM, SPARE P
STORES, MATTRESSES AND BEDDING,

	NO.	LENGTH	PERSONS	T
LANDING BOATS	12	36'		
" "	2	50'		
LIFE FLOATS	10	9'	25	
LIFE RAFTS	NONE			

BATTE

NO.	TYPE	LOCA
1	5"/38	MAIN DECK
2	40MM TWIN	P/S FR 25 U
2	40MM TWIN	P/S FR 150 U
4	20MM	P/S FR 61-64
2	20MM	P/S FR 78 T
2	20MM	P/S FR 106
2	20MM	P/S FR 28½

ITEMS NOT INCLUDED IN LIGHT SHIP
FUEL OIL IN STORAGE TANKS, FRES
REFRIGERATED OR DRY STORES, P
EFFECTS.

COMPLE

SHIP'S OFFICERS
ENLISTED PERSONNEL CA
ENLISTED PERSONNEL OT
MARINE OFFICERS
MARINES

GENERAL

1 TANK CAPACITIES ARE BASED
WITH DEDUCTIONS FOR STEEL S
WITHIN THE TANKS
2 THE BALE CAPACITY OF A SPA
TOP OF INNER BOTTOM OR CEILIN
BEAMS AND HATCH BEAMS ABOV
SIDE, AND TO BULKHEAD STIFFENE
AT ENDS, WITH DEDUCTIONS FO
3 THE CAPACITIES OF STORE
FEET ARE BALE CAPACITIES

THE FOLLOWING CONVERSIO
1 TON
1 TON SALT WATE
1 " FRESH "
1 " FUEL OIL
1 " DIESEL OIL
1 BARREL
1 CUBIC FOOT

NO. PLAN NO.

REFERENCE

FUEL OIL TANKS & FUEL OIL SETTLING TANKS

TANK NO.	LOCATION (FRAMES)	95% CAPACITY		FULL CAPACITY		VERT C.G. ABOVE BOT OF KEEL	LONG C.V.	
		GALLONS	TONS F.O. 277 G/T 37 CF/T	GALLONS	TONS F.O. 277 G/T 37 CF/T		FWD	AFT
FUEL OIL TANKS								
A-901F	12-27(℄)	12440	45.0	13120	47.4	3.15	156.47	
A-902-1F	27-40(P)	9390	33.9	9880	35.7	2.17	127.30	
A-903F	27-40(S)	9880	35.7	10400	37.5	2.17	127.65	
A-904F	40-56(℄)	15030	54.3	15820	57.1	1.56	91.77	
A-905F	40-56(S)	9040	32.6	9520	34.4	1.70	89.27	
A-906F	40-56(P)	9040	32.6	9520	34.4	1.70	89.27	
A-907F	56-68(℄)	11240	40.6	11830	42.7	1.56	56.77	
A-908F	56-68(P)	10160	36.7	10700	38.6	1.59	56.49	
A-909F	56-68(S)	10160	36.7	10700	38.6	1.59	56.49	
B-901F	68-83(℄)	13940	50.3	14670	53.0	1.56	25.10	
B-902-1F	68-83(P)	14200	51.3	14950	54.0	1.59	22.92	
B-903F	68-83(S)	14270	51.5	15020	54.2	1.59	23.04	
B-909F	94-108(℄)	13040	47.1	13730	49.6	1.56		40.64
B-910F	94-108(P)	12750	46.0	13420	48.4	1.62		40.16
B-911-1F	94-108(S)	12740	46.0	13410	48.4	1.62		40.20
C-901F	108-124(℄)	18950	68.4	19950	72.0	2.04		78.06
C-902F	108-124(P)	12120	43.8	12760	46.1	2.27		77.20
C-903F	108-124(S)	12100	43.7	12740	46.0	2.27		77.20
C-404F	124-155(℄)	21410	77.3	22540	81.4	6.45		111.40
C- 2F	124-155(P)	20900	75.5	22000	79.4	7.56		110.81
C- 3F	124-155(S)	20900	75.5	22000	79.4	7.56		110.81
C-405F	135-146(℄)	25960	93.7	27330	98.7	7.45		157.99
C-406F	135-146(P)	7330	26.5	7710	27.8	9.44		155.91
C-407F	135-146(S)	7330	26.5	7710	27.8	9.44		155.91
C-408F	146-156(℄)	15210	54.9	16210	58.5	11.41		162.55
C- 4F	146-156(P)	14360	51.8	15120	54.6	17.38		161.89
C- 5F	146-156(S)	14360	51.8	15120	54.6	17.38		161.89
	TOTAL	548,270	1529.7	587,880	1400.3			
FUEL OIL SETTLING TANKS								
B-1-3F	79-81(℄)	8090	29.1	8470	30.6	16.15	11.77	
B-1-5F	81-83(℄)	8210	29.6	8640	31.2	16.07	6.77	
B-3-2F	104-106(℄)	8060	29.1	8480	30.6	16.26		50.77
B-3-4F	106-108(℄)	8290	29.9	8730	31.5	16.25		55.77
	TOTAL	32610	117.7	34320	123.9			

DIESEL OIL TANK

TANK NO.	LOCATION (FRAMES)	95% CAPACITY		FULL CAPACITY		VERT C.G. ABOVE BOT OF KEEL	LONG C.V.	
		GALLONS	TONS D.O. 314 G/T 41.98 CF/T	GALLONS	TONS D.O. 314 G/T 41.98 CF/T		FWD	AFT
C-904F	124-135(℄)	15340	48.9	16150	51.4	3.06		111.04

RESERVE FEED WATER, FRESH WATER & SALT WATER BALLAST TANKS

TANK NO.	LOCATION (FRAMES)	FULL CAPACITY			VERT C.V. ABOVE BOT OF KEEL	LONG C.V.	
		GALLONS	TONS F.W. 268.8 G/T 36 CF/T	TONS S.W. 261.8 G/T 35 CF/T		FWD	AFT
RESERVE FEED WATER TANKS							
B-905W	84-93(℄)	8960	33.3	34.2	1.56		9.50
B-906W	84-93(P)	9150	34.0	34.9	1.58		9.38
B-907W	84-93(S)	9150	34.0	34.9	1.58		9.38
	TOTAL	27260	101.3	104.0			
FRESH WATER TANKS							
B-2-2W	83-89(℄)	22660	84.1	86.5	11.57		5.77
B-2-4W	89-93(℄)	22690	84.3	86.7	11.57		15.77
	TOTAL	45350	168.4	173.2			
SALT WATER BALLAST TANKS							
A- 1W	STEM 12℄	14210	52.8	54.3	15.26	187.55	
C- 8W	157-167(P)	15750	58.5	60.2	17.82		185.49
C- 9W	157-167(S)	15280	56.7	58.4	17.74		185.49
	TOTAL	45240	168.0	172.9			

GENERAL CARGO

COMPT NO.	SPACE	LOCATION (FRAMES)	DECK	BALE VOLUME CU. FT.	LONG C.V. FWD	LONG C.V. AFT	VERT C.V. ABOVE BOT OF KEEL
A- 5A	NO.1 CARGO HOLD	40-56 P&S	TANK TOP	39780	91.85		11.76
A- 9A	NO.1 CARGO HOLD	40-56 P&S	1ST PLAT.	18,380	91.56		25.78
C- 1A	NO.2 CARGO HOLD	108-124 P&S	2ND PLAT.	37,320		78.57	20.10
C-401GAS	GASOLINE STOWAGE	108-125 P&S	TANK TOP	8,840		77.59	7.54
C- 3A	NO.3 CARGO HOLD	135-146 P&S	2ND PLAT.	10,420		138.05	16.77
C- 8A	NO.3 CARGO HOLD	135-146 P&S	1ST PLAT.	10,670		138.84	26.18
			TOTAL	116,410			

S.D. STORES

COMPT NO.	SPACE	LOCATION (FRAMES)	DECK	BALE VOLUME CU. FT.	LONG C.V. FWD	LONG C.V. AFT	VERT C.V. ABOVE BOT OF KEEL
A-301A	S.D. STORES	12-27 P&S	2ND PLAT.	3630	156.46		19.41
A-303A	S.D. STORES	27-40 P&S	2ND PLAT.	10050	128.76		18.36
A-401A	S.D. STORES	12-27 P&S	TANK TOP	3920	162.34		11.13
A-403A	S.D. STORES	27-40 P&S	TANK TOP	7470	129.09		9.28
B-302-1A	S.D. STORES	83-93 S	2ND PLAT.	3590		8.38	15.67
C-203-1A	S.D. STORES	147-151 S	1ST PLAT.	730		159.53	26.86
C-303A	S.D. STORES	124-130 S	2ND PLAT.	2620		108.15	16.04
A-202A	S.D. STORES	17-27 P&S	1ST PLAT.	3800	152.83		28.36
C-402A	S.D. STORES	108-124 P	TANK TOP	3580			7.56
C-403A	S.D. STORES	108-124 S	TANK TOP	3580		76.85	7.56
			TOTAL	44,970			

DRY PROVISIONS

COMPT NO.	SPACE	LOCATION (FRAMES)	DECK	BALE VOLUME CU. FT.	LONG C.V. FWD	LONG C.V. AFT	VERT C.V. ABOVE BOT OF KEEL
A-204-1A	DRY PROVISIONS	56-60 P&S	1ST PLAT.	7340	60.89		24.31
A-0102A	POTATO LOCKER	20-24 P	UPPER DK.	400	155.5		46.73
			TOTAL	7740			

REFRIGERATED STORES

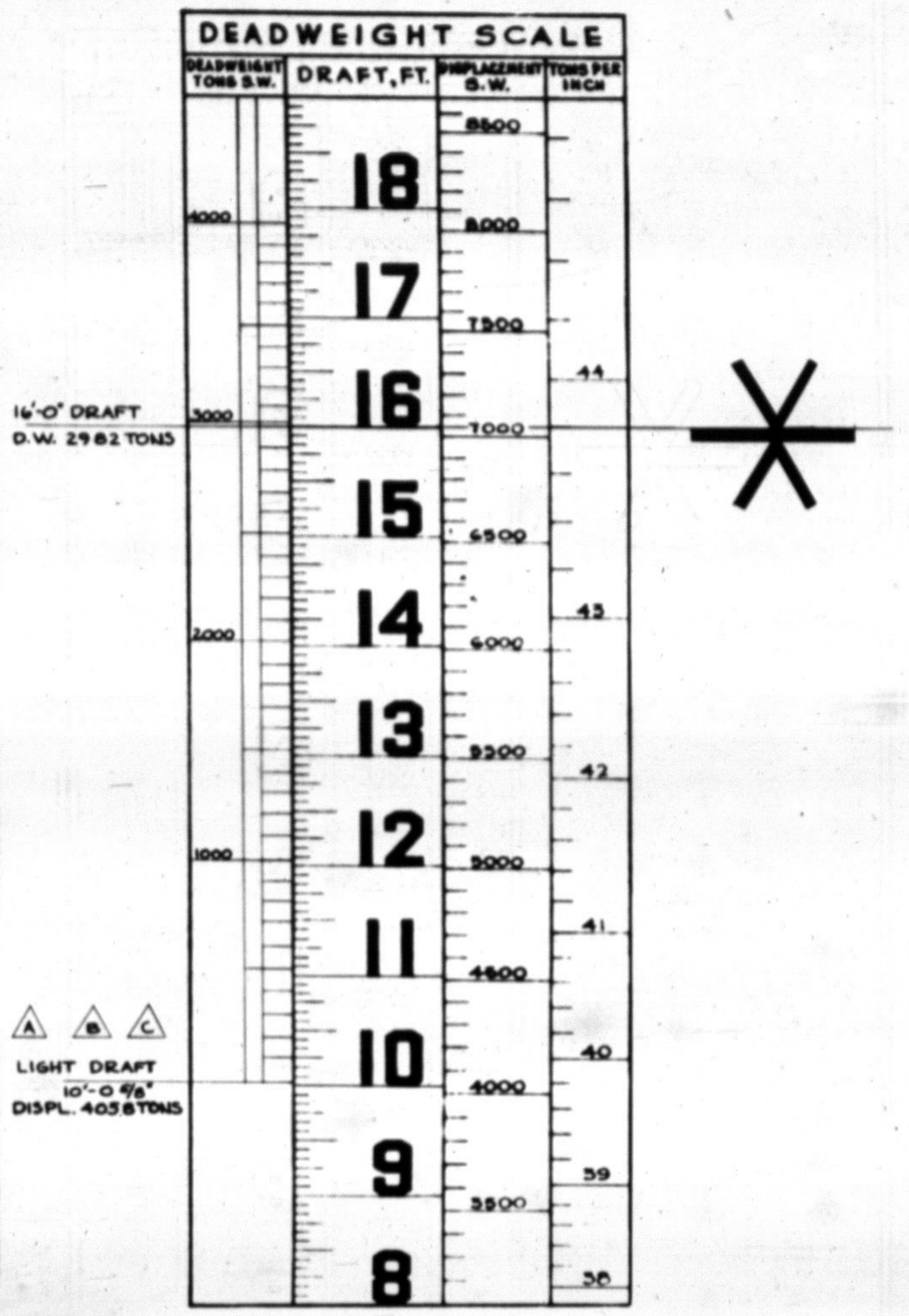
COMPT NO.	SPACE	LOCATION (FRAMES)	DECK	BALE VOLUME CU. FT.	LONG C.V. FWD	LONG C.V. AFT	VERT C.V. ABOVE BOT OF KEEL
A-204-2A	FRUIT	59-68 P	1ST PLAT.	1,900	55.48		24.16
A-304-1A	MEAT	56-68 S	2ND PLAT.	3,010	60.82		14.85
A-304-2A	VEGETABLES	56-67 P	2ND PLAT.	4,350	59.25		14.97
A-304-4A	BUTTER, CHEESE & EGGS	62-68 P	2ND PLAT.	610	55.75		14.97
			TOTAL	9870			

BOSUN'S STORES

COMPT NO.	SPACE	LOCATION (FRAMES)	DECK	BALE VOLUME CU. FT.	LONG C.V. FWD	LONG C.V. AFT	VERT C.V. ABOVE BOT OF KEEL
A-101A	BOSUN'S STORES	BOW-12 P&S	MAIN DK.	3800	190.52		49.28
A-201A	LAMP LOCKER	BOW-7 P&S	1ST PLAT.	1160	194.58		31.70
A-202A	CANVAS & AWNING ROOM	12-17 P&S	1ST PLAT.	1560	172.15		30.02
A-402A	PAINT & INFLAMMABLE LIQUIDS	23-27 P	TANK TOP	960	148.86		10.55
			TOTAL	7480			

STORES FOR PERSONNEL

COMPT NO.	SPACE	LOCATION (FRAMES)	DECK	BALE VOLUME CU. FT.	LONG C.V. FWD	LONG C.V. AFT	VERT C.V. ABOVE BOT OF KEEL
A-202A	MEDICAL STORES	12-17 S	1ST PLAT.	850	171.56		30.05
B-101-A	SHIP'S STORES	105-108 P	MAIN DK.	500		55.25	33.48
B-101-L	SHIP'S SERVICE STORE	59-62 P&S	MAIN DK.	1,070	60.50		33.84
B-205-1A	CLOTHES STORE	83-86 S	1ST PLAT.	640		0.58	24.32
B-205-1A	MEDICAL STORES	90-95 P	1ST PLAT.	880		17.00	24.22
B-205-1A	SHIP'S STORE STORES	83-89 P&S	1ST PLAT.	3,280		2.29	24.30
B-0105-A	MEDICAL STORES	97-99 P	UPPER DK.	190		33.50	41.08
			TOTAL	7,390			



PRINCIPAL DIMENSIONS

LENGTH, OVERALL — 426'-0"
LENGTH, B.P. — 400'-0"
BEAM, MOLDED — 58'-0"
DEPTH TO UPPER DK. AT SIDE — 37'-0"
DEPTH TO MAIN DK. AT SIDE — 28'-6"

DRAFT LOADED 16'-0"

A **PROPELLER** DIAM. 11'-6" PITCH (CONSTANT) 13'-0"

C **CAPACITIES AND TYPE OF WINCHES:**
4-SINGLE DRUM DOUBLE SPEED 30 TON CAP., 4-DOUBLE DRUM SINGLE SPEED 30 TON CAP.
2-SINGLE DRUM SINGLE SPEED 2 TON CAP., 2-SINGLE DRUM SINGLE SPEED 5 TON CAP.

BOOMS:
2-2 TON BOOMS AT FR. 59
2-5 TON BOOMS AT FR. 34
4-5 TON BOOMS AT FRS. 127-131
1-30 TON BOOM AT FR. 34
1-30 TON BOOM AT FR. 127

HEIGHTS OF MASTS:

MAINMAST	50'-8"	TOP OF TOPMAST	80'-8"
FOREMAST	59'-0"	TOP OF TOPMAST	87'-0"

ENGINES:
TWO TURBO ELECTRIC MAIN PROPULSION UNITS CONSISTING OF IMPULSE TURBINE ALTERNATING CURRENT GENERATOR AND SYNCHRONOUS INDUCTION TYPE MOTOR.

BOILERS:
TWO BOILERS OF THE TWO DRUM BENT TUBE DOUBLE CASING WITH CONVECTION SUPERHEATERS AND FITTED WITH EXTENDED SURFACE ECONOMIZERS.

NOTES

LIGHT SHIP WEIGHT

THE LIGHT SHIP WEIGHT OF THE VESSEL AS DETERMINED FROM A DEADWEIGHT DETERMINATION MADE ON HULL 1900 IS 4058 TONS.

THIS LIGHT SHIP WEIGHT IS THE WEIGHT OF THE VESSEL COMPLETE AND READY FOR SEA IN EVERY RESPECT. IT INCLUDES THE WEIGHT OF LIQUIDS IN MACHINERY, FIRE AND SANITARY LINES, FUEL OIL SYSTEM, SPARE PARTS, BOATSWAIN AND DECK STORES, MATTRESSES AND BEDDING, ALSO INCLUDED:

	NO.	LENGTH	PERSONS	TYPE	LOCATION	WEIGHT
LANDING BOATS	12	36'		L.C.V.P.	[illegible]	15,000# EA
" "	2	50'		L.C.M.	[illegible]	45,000# EA
LIFE FLOATS	10	9'	25	BALSAWOOD	P&S MAIN DECK	300# EA
LIFE RAFTS	NONE					

BATTERY

NO.	TYPE	LOCATION	WEIGHT (LBS)
1	5"/38	MAIN DECK FR. 157 ℄	34500
2	40MM TWIN	P/S FR. 25 UPPER DECK	13000 EA
2	40MM TWIN	P/S FR. 150 UPPER DECK	" "
4	20MM	P/S FR. 61-64 TOP OF HOUSE	1680 EA
2	20MM	P/S FR. 78 TOP OF HOUSE	" "
2	20MM	P/S FR. 106 NAV. DECK	" "
2	20MM	P/S FR. 28½ TOP OF HOUSE	" "

ITEMS NOT INCLUDED IN LIGHT SHIP WEIGHT ARE: AMMUNITION, FUEL OIL IN STORAGE TANKS, FRESH WATER, CARGO, CONSUMMABLE REFRIGERATED OR DRY STORES, PASSENGERS, CREW OR THEIR EFFECTS.

COMPLEMENT

SHIP'S OFFICERS	19	
ENLISTED PERSONNEL C.P.O.	21	
ENLISTED PERSONNEL OTHERS	240	280
MARINE OFFICERS	5	
MARINES	262	267
	TOTAL	547

GENERAL NOTES

1 TANK CAPACITIES ARE BASED ON THE MOLDED VOLUMES WITH DEDUCTIONS FOR STEEL STRUCTURE AND PIPING WITHIN THE TANKS.

2 THE BALE CAPACITY OF A SPACE IS THE VOLUME FROM TOP OF INNER BOTTOM OR CEILING TO UNDER SIDE OF DECK BEAMS AND HATCH BEAMS ABOVE, TO CARGO BATTENS AT SIDE, AND TO BULKHEAD STIFFENERS, PLATING OR BATTENS AT ENDS, WITH DEDUCTIONS FOR INTERVENING STRUCTURE.

3. THE CAPACITIES OF STORES SPACES IN NET CUBIC FEET ARE BALE CAPACITIES

THE FOLLOWING CONVERSION VALUES ARE USED

1 TON	2240 LBS.
1 TON SALT WATER	35 CU. FT
1 " FRESH "	36 " "
1 " FUEL OIL	37 " "
1 " DIESEL OIL	41.98 " "
1 BARREL	42 GALS.
1 CUBIC FOOT	7.48 "

NO.	PLAN NO.	TITLE

REFERENCE PLANS

ALTERATIONS

ALT. NO.	PANEL	ITEM	DESCRIPTION	MADE BY	DESIGN AGENT DATE	DESIGN AGENT APP'D	USMC DATE	USMC APP'D
A	2,3		DEADWEIGHT SCALE AND MACHINERY DATA ADDED. EFF. HULLS 1882-1913	A.J.M. 12-27-44				
B	2,3		LIGHT SHIP & DEADWEIGHT TONNAGE ALTERED TO AGREE WITH 2ND SUBMITTAL OF DEADW'T CERTIFICATE EFFECTIVE HULLS 1882-1891	A.J.M. 1-17-45				
C	2,3		LIGHT SHIP & DEADWEIGHT TONNAGE ALTERED TO AGREE WITH DEADW'T CERT. WINCH DATA ALTERED. EFF. HULLS 1892-1901	A.J.M. 4-19-45				

HULL NUMBERS USMC	HULL NUMBERS BLDR.	HULL NUMBERS U.S.N.	NAME	CONTRACTOR
1913	1913	52		
1912	1912	51		
1911	1911	50		
1910	1910	49		
1909	1909	48		
1908	1908	47		
1907	1907	46		
1906	1906	45		
1905	1905	44		
1904	1904	43		
1903	1903	42		
1902	1902	41		
1901	1901	40		
1900	1900	39		
1899	1899	38		
1898	1898	37		
1897	1897	36		
1896	1896	35		
1895	1895	34		
1894	1894	33		
1893	1893	32		
1892	1892	31		
1891	1891	30		
1890	1890	29		
1889	1889	28		
1888	1888	27		
1887	1887	26		
1886	1886	25		
1885	1885	24		
1884	1884	23		
1883	1883	22		
1882	1882	21		WALSH-KAISER CO.

COMBAT LOADED CARGO VESSEL
DESIGN S4-SE2-BE1
UNITED STATES MARITIME COMMISSION
WEST COAST REGIONAL OFFICE
OAKLAND, CALIFORNIA

CAPACITY PLAN

U.S.S. RENATE
AKA-36

P. L. JOSLYN
M. J. RYAN
MARINE ENGINEERS — NAVAL ARCHITECTS
149 NEW MONTGOMERY ST. — SAN FRANCISCO, CALIF.

PLAN NO. BE1-S 2901-3 ALT. C

DRAWN BY N.T. Crowell SCALE 1/16" = 1'-0"
TRACED BY DATE JAN. 14, 1944
CHECKER SUPERVISOR
APPROVED E.W. Brungan APPROVED M. J. Ryan

APPROVALS
USMC
ABS E.W. O'Brien 1/14/44 for H. E. St. [illegible]
USCG

U.S.M.C. PLAN NUMBER
1882-S29-1-9 ALT.

BUREAU OF SHIPS PLAN NUMBER
AKA 21-S2901-437166 ALT.

NO.	KIND	ISSUED TO